



SEQUENCE LISTING

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JONES, Stacey A.
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<120> AN ORPHAN NUCLEAR RECEPTOR

<130> 510-125

<140> 09/276,935

<141> 1999-03-26

<150> 60/079,593

<151> 1998-03-27

<160> 18

<170> PatentIn Ver. 2.0

<210> 1

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Probe

<400> 1

ctgctgcgca tccaggacat

20

<210> 2

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Probe

<400> 2

gggtgtgggg aatccaccac catggaggtg agaccctaaag aaagc

45

<210> 3

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Probe

<400> 3

gggtgtgggg gatcctcagc tacctgtgat gccg

34

<210> 4

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Probe

<400> 4
 gatcagacag ttcataagt tcatctagat c 31

 <210> 5
 <211> 29
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Probe

 <400> 5
 gatcaatatg aactcaaagg aggtcagtg 29

 <210> 6
 <211> 29
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 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Probe

 <400> 6
 gatcaatatg aactcaaagg aggtcagtg 29

 <210> 7
 <211> 29
 <212> DNA
 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: Probe

 <400> 7
 gatcaatatg ttctcaaagg agaacagtg 29

 <210> 8
 <211> 29
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Probe

 <400> 8
 gatcaataac aactcaaagg aggtcagtg 29

 <210> 9
 <211> 32
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Probe

 <400> 9
 gatgcagaca gtccatgaag ttcactaga tc 32

 <210> 10
 <211> 11
 <212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Protein

<400> 10

Met Lys Lys Gly His His His His His His Gly
1 5 10

<210> 11

<211> 316

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Protein

<400> 11

Met Lys Lys Gly His His His His His His Gly Ser Glu Arg Thr Gly
1 5 10 15

Thr Gln Pro Leu Gly Val Gln Gly Leu Thr Glu Glu Gln Arg Met Met
20 25 30

Ile Arg Glu Leu Met Asp Ala Gln Met Lys Thr Phe Asp Thr Thr Phe
35 40 45

Ser His Phe Lys Asn Phe Arg Leu Pro Gly Val Leu Ser Ser Gly Cys
50 55 60

Glu Leu Pro Glu Ser Leu Gln Ala Pro Ser Arg Glu Glu Ala Ala Lys
65 70 75 80

Trp Ser Gln Val Arg Lys Asp Leu Cys Ser Leu Lys Val Ser Leu Gln
85 90 95

Leu Arg Gly Glu Asp Gly Ser Val Trp Asn Tyr Lys Pro Pro Ala Asp
100 105 110

Ser Gly Gly Lys Glu Ile Phe Ser Leu Leu Pro His Met Ala Asp Met
115 120 125

Ser Thr Tyr Met Phe Lys Gly Ile Ile Ser Phe Ala Lys Val Ile Ser
130 135 140

Tyr Phe Arg Asp Leu Pro Ile Glu Asp Gln Ile Ser Leu Leu Lys Gly
145 150 155 160

Ala Ala Phe Glu Leu Cys Gln Leu Arg Phe Asn Thr Val Phe Asn Ala
165 170 175

Glu Thr Gly Thr Trp Glu Cys Gly Arg Leu Ser Tyr Cys Leu Glu Asp
180 185 190

Thr Ala Gly Gly Phe Gln Gln Leu Leu Leu Glu Pro Met Leu Lys Phe
195 200 205

His Tyr Met Leu Lys Lys Leu Gln Leu His Glu Glu Glu Tyr Val Leu
210 215 220

Met Gln Ala Ile Ser Leu Phe Ser Pro Asp Arg Pro Gly Val Leu Gln
 225 230 235 240
 His Arg Val Val Asp Gln Leu Gln Glu Gln Phe Ala Ile Thr Leu Lys
 245 250 255
 Ser Tyr Ile Glu Cys Asn Arg Pro Gln Pro Ala His Arg Phe Leu Phe
 260 265 270
 Leu Lys Ile Met Ala Met Leu Thr Glu Leu Arg Ser Ile Asn Ala Gln
 275 280 285
 His Thr Gln Arg Leu Leu Arg Ile Gln Asp Ile His Pro Phe Ala Thr
 290 295 300
 Pro Leu Met Gln Glu Leu Phe Gly Ile Thr Gly Ser
 305 310 315

<210> 12

<211> 242

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Protein

<400> 12

Met Lys Lys Gly Ser Ala Asn Glu Asp Met Pro Val Glu Arg Ile Leu
 1 5 10 15
 Glu Ala Glu Leu Ala Val Glu Pro Lys Thr Glu Thr Tyr Val Glu Ala
 20 25 30
 Asn Met Gly Leu Asn Pro Ser Ser Pro Asn Asp Pro Val Thr Asn Ile
 35 40 45
 Cys Gln Ala Ala Asp Lys Gln Leu Phe Thr Leu Val Glu Trp Ala Lys
 50 55 60
 Arg Ile Pro His Phe Ser Glu Leu Pro Leu Asp Asp Gln Val Ile Leu
 65 70 75 80
 Leu Arg Ala Gly Trp Asn Glu Leu Leu Ile Ala Ser Phe Ser His Arg
 85 90 95
 Ser Ile Ala Val Lys Asp Gly Ile Leu Leu Ala Thr Gly Leu His Val
 100 105 110
 His Arg Asn Ser Ala His Ser Ala Gly Val Gly Ala Ile Phe Asp Arg
 115 120 125
 Val Leu Thr Glu Leu Val Ser Lys Met Arg Asp Met Gln Met Asp Lys
 130 135 140
 Thr Glu Leu Gly Cys Leu Arg Ala Ile Val Leu Phe Asn Pro Asp Ser
 145 150 155 160
 Lys Gly Leu Ser Asn Pro Ala Glu Val Glu Ala Leu Arg Glu Lys Val
 165 170 175

Tyr Ala Ser Leu Glu Ala Tyr Cys Lys His Lys Tyr Pro Glu Gln Pro
 180 185 190
 Gly Arg Phe Ala Lys Leu Leu Leu Arg Leu Pro Ala Leu Arg Ser Ile
 195 200 205
 Gly Leu Lys Cys Leu Glu His Leu Phe Phe Phe Lys Leu Ile Gly Asp
 210 215 220
 Thr Pro Ile Asp Thr Phe Leu Met Glu Met Leu Glu Ala Pro His Gln
 225 230 235 240
 Met Thr

<210> 13
 <211> 2146
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Probe

<400> 13
 tgaaatatag gtgagagaca agattgtctc atatccgggg aaatcataac ctatgactag 60
 gacgggaaga ggaagcactg cctttacttc agtgggaatc tcggcctcag cctgcaagcc 120
 aagtgttcac agtgagaaaa gcaagagaat aagctaatac tcctgtcctg aacaaggcag 180
 cggctccttg gtaaagctac tccttgatcg atcctttgca ccggattgtt caaagtggac 240
 cccaggggag aagtcggagc aaagaactta ccaccaagca gtccaagagg cccagaagca 300
 aacctggagg tgagacccaa agaaagctgg aacctatgctg actttgtaca ctgtgaggac 360
 acagagtctg ttccctggaaa gcccagtgctg aacgcagatg aggaagtccg aggtccccc 420
 atctgcctg tatgtgggga caaggccact ggctatcact tcaatgtcat gacatgtgaa 480
 ggatgcaagg gctttttcag gagggccatg aaacgcaacg cccggctgag gtgccccttc 540
 cggaagggcg cctgcgagat caccgggaag acccggcgac agtgccaggc ctgcccgcctg 600
 cgcaagtgcc tggagagcgg catgaagaag gagatgatca tgtccgacga ggccgtggag 660
 gagaggcggg ccttgatcaa gcggaagaaa agtgaacgga cagggactca gccactggga 720
 gtgcaggggc tgacagagga gcagcggatg atgacaggg agctgatgga cgctcagatg 780
 aaaacctttg acactacctt ctcccatttc aagaatttcc ggctgccagg ggtgcttagc 840
 agtggctgcg agttgccaga gtctctgcag gcccctcga gggaagaagc tgccaagtgg 900
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 ggcagtgtct ggaactacaa acccccagcc gacagtggcg ggaaagagat cttctccctg 1020
 ctgcccaca tggctgacat gtcaacctac atgttcaaag gcatcatcag ctttgccaaa 1080
 gtcattctct acttcaggga cttgcccact gaggaccaga tctccctgct gaagggggcc 1140
 gctttcagac tgtgtcaact gagattcaac acagtgttca acgcgagac tggaaacctg 1200
 gagtgtggcc ggctgtccta ctgcttggaa gacactgcag gtggcttcca gcaacttcta 1260
 ctggagccca tgctgaaatt ccaactacatg ctgaagaagc tgcagctgca tgaggaggag 1320
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 cgcgtggtgg accagctgca ggagcaattc gccattactc tgaagtccca cattgaatgc 1440
 aatcgcccc agcctgctca taggttcttg ttctgaaga tcatggctat gctcaccgag 1500
 ctccgcagca tcaatgctca gcacaccag cgctgctgca gcatccagga catacacc 1560
 tttgctacgc cctcatgca ggagttgttc ggcatcacag gtatctgagc ggctgccctt 1620
 ggggtgacacc tccgagaggc agccagacc agagccctct gagccgccac tccggggcca 1680
 agacagatgg acactgccaa gagccgacaa tgcctgtctc cctgtctcc cagggaatt 1740
 cctgctatga cagctggcta gcattctca ggaaggacat ggggtgcccc caccctcagt 1800
 tcagtctgta gggagtgaag ccacagactc ttacgtggag agtgactga cctgtaggtc 1860
 aggaccatca gagaggcaag gttgcccttt ccttttaaaa ggccctgtgg tctggggaga 1920
 aatccctcag atcccactaa agtgtcaagg tgtggaaggg accaagcgac caaggatagg 1980
 ccactctggg tctatgccca cataccacg tttgtctgct tctgtagtct tttcattgct 2040
 acctctaata gtccctgtct ccaactccca ctcttctccc agctgctttg 2100
 tgggctccag gcctgtactc atcggcaggt gcatgagtat ctgtgg 2146

<210> 14
 <211> 414
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Protein

<400> 14
 Leu Glu Val Arg Pro Lys Glu Ser Trp Asn His Ala Asp Phe Val His
 1 5 10 15
 Cys Glu Asp Thr Glu Ser Val Pro Gly Lys Pro Ser Val Asn Ala Asp
 20 25 30
 Glu Glu Val Gly Gly Pro Gln Ile Cys Arg Val Cys Gly Asp Lys Ala
 35 40 45
 Thr Gly Tyr His Phe Asn Val Met Thr Cys Glu Gly Cys Lys Gly Phe
 50 55 60
 Phe Arg Arg Ala Met Lys Arg Asn Ala Arg Leu Arg Cys Pro Phe Arg
 65 70 75 80
 Lys Gly Ala Cys Glu Ile Thr Arg Lys Thr Arg Arg Gln Cys Gln Ala
 85 90 95
 Cys Arg Leu Arg Lys Cys Leu Glu Ser Gly Met Lys Lys Glu Met Ile
 100 105 110
 Met Ser Asp Glu Ala Val Glu Glu Arg Arg Ala Leu Ile Lys Arg Lys
 115 120 125
 Lys Ser Glu Arg Thr Gly Thr Gln Pro Leu Gly Val Gln Gly Leu Thr
 130 135 140
 Glu Glu Gln Arg Met Met Ile Arg Glu Leu Met Asp Ala Gln Met Lys
 145 150 155 160
 Thr Phe Asp Thr Thr Phe Ser His Phe Lys Asn Phe Arg Leu Pro Gly
 165 170 175
 Val Leu Ser Ser Gly Cys Glu Leu Pro Glu Ser Leu Gln Ala Pro Ser
 180 185 190
 Arg Glu Glu Ala Ala Lys Trp Ser Gln Val Arg Lys Asp Leu Cys Ser
 195 200 205
 Leu Lys Val Ser Leu Gln Leu Arg Gly Glu Asp Gly Ser Val Trp Asn
 210 215 220
 Tyr Lys Pro Pro Ala Asp Ser Gly Gly Lys Glu Ile Phe Ser Leu Leu
 225 230 235 240
 Pro His Met Ala Asp Met Ser Thr Tyr Met Phe Lys Gly Ile Ile Ser
 245 250 255
 Phe Ala Lys Val Ile Ser Tyr Phe Arg Asp Leu Pro Ile Glu Asp Gln
 260 265 270

Ile Ser Leu Leu Lys Gly Ala Ala Phe Glu Leu Cys Gln Leu Arg Phe
 275 280 285
 Asn Thr Val Phe Asn Ala Glu Thr Gly Thr Trp Glu Cys Gly Arg Leu
 290 295 300
 Ser Tyr Cys Leu Glu Asp Thr Ala Gly Gly Phe Gln Gln Leu Leu Leu
 305 310 315 320
 Glu Pro Met Leu Lys Phe His Tyr Met Leu Lys Lys Leu Gln Leu His
 325 330 335
 Glu Glu Glu Tyr Val Leu Met Gln Ala Ile Ser Leu Phe Ser Pro Asp
 340 345 350
 Arg Pro Gly Val Leu Gln His Arg Val Val Asp Gln Leu Gln Glu Gln
 355 360 365
 Phe Ala Ile Thr Leu Lys Ser Tyr Ile Glu Cys Asn Arg Pro Gln Pro
 370 375 380
 Ala His Arg Phe Leu Phe Leu Lys Ile Met Ala Met Leu Thr Glu Phe
 385 390 395 400
 Ala Thr Pro Leu Met Gln Glu Leu Phe Gly Ile Thr Gly Ser
 405 410

<210> 15
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Probe

<400> 15
 atatgaactc aaaggagggtc agtg

24

<210> 16
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Probe

<400> 16
 atatgttctc aaaggagaac agtg

24

<210> 17
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Probe

<400> 17
 ataacaactc aaaggagggtc agtg

24

<210> 18
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Probe

<400> 18
agatgaactt catgaactgt c

21